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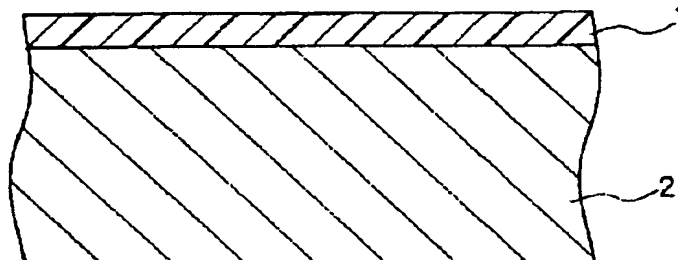
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INVENTOR : KAWANO EIZO;

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TITLE : POROUS
POLYTETRAFLUOROETHYLENE FILM,
AND AIR-PERMEABLE LAMINATE AND
FILTER UNIT PREPARED BY USING
THE SAME

cited in the European Search
Report of EP 04 00 7848.7
Your Ref.: FP- 8608



ABSTRACT : PROBLEM TO BE SOLVED: To uniformize the micropore structure of a porous polytetrafluoroethylene(PTFE) film to give a filter material used for an air filter or a bag filter uniformized in air flow distribution.

SOLUTION: The variation in micropore structure is evaluated from the optical characteristics (haze factor) reflecting the characteristics of a microscopic region. The variation in haze factor due to the difference in the measurement region is controlled so that the coefficient of variation is 20% or lower. For example, a uniformized micropore structure is obtained by enhancing the binding between PTFE particles by applying a compressive force to a PTFE (pre)molded form in the direction rectangular to the extrusion and/or calendering direction of the premolded form in the production process of a porous PTFE film.

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